

PDX-TFX[®] UTILITY

THE VERSITILE UTILITY TRENCH SOLUTION



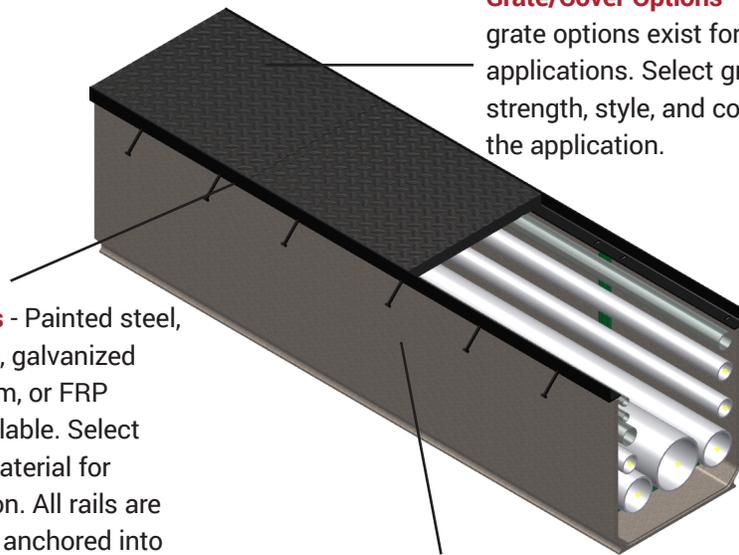
PDX-TFX UTILITY



PDX® Utility

PDX® Utility is the preeminent pre-engineered modular trench system available in varying width and slopes assures the precision, accuracy and design flexibility for virtually any utility trench application. Whether employed as a cable/pipe chase for air, gas, or fluid transmission lines or as secondary containment for spill containment; ABT's utility trench systems provide an economical solution. The modular PDX® Utility channels are manufactured from non-absorbent polymer concrete known for its high strength and chemical resistance. The channels are produced from either polyester or vinyl ester resin to provide a wide range of chemical resistance. For applications requiring chemical resistance the appropriate PolySeal Adhesive/Sealant can be utilized in the channel's true tongue and groove joints. A large selection of trench widths and depths are available to optimize the cross sectional area for pipe chases, raceway applications or storage capacity for containment applications. The PDX® Utility system is available in a wide variety of frames, grates, cover materials and load capabilities, including commercially available rapid access covers, fast layout change systems, pipe strut systems and electronic leak detectors.

Product Features:



Grate/Cover Options - A wide range of grate options exist for pedestrian to airport applications. Select grates with the right strength, style, and corrosion resistance for the application.

Frame Options - Painted steel, stainless steel, galvanized steel, aluminum, or FRP styles are available. Select the best rail material for your application. All rails are independently anchored into the surrounding concrete so that the encapsulation concrete receives the horizontal loads, not the channel walls.

Channels - Manufactured from UL / ULC certified polymeric materials, the channels feature a high precision tongue and groove joint for positive alignment and a superior configuration for sealant application when required.

Grate Retention Systems - For applications with substantial horizontal loads, bar locks are available and recommended. Toggle locks can be used when longitudinal loads are low. Locks may be omitted where horizontal loads and grate retention are not a consideration. ABT can assist you in making a suitable selection.

Ease of Installation - The system can be installed using the no-float leg installation device.

Eliminates Sub-Slab Barrier Penetration - Prevents Geo-membrane penetrations during trench drain installation and monolithic pours are eliminated using no-float legs and anchor slab.

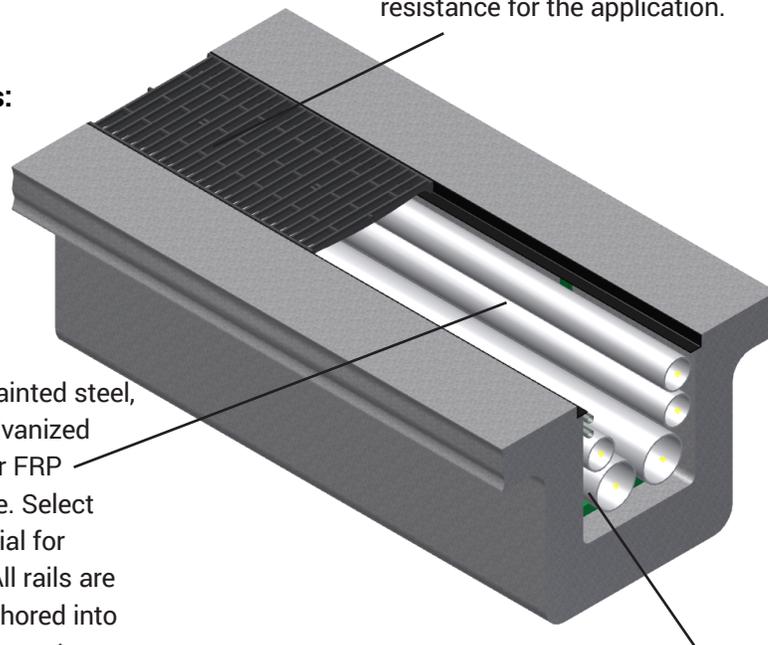
TFX® Utility

For non-corrosive applications the TFX Utility modular pre-engineered EPS concrete forming system is a lower cost cast in place trench option. TFX Utility trench has the same chemical resistance as the concrete floor, for instances where floor coatings are applied, the TFX Utility trench can easily be coated at the same time. While the TFX Utility system comes standard as a flat-bottom trench in either sloping or non-sloping variations, a radius bottom or other custom shapes are available. TFX Utility is more versatile than the PDX Utility trenches as it is available with variable slopes and greater depth options. Additionally, the same wide array and selection of frame, grate, and cover options available with the PDX Utility are available with the TFX Utility system.

Grate/Cover Options - A wide range of grate options exist for pedestrian to airport applications. Select grates with the right strength, style, and corrosion resistance for the application.

Product Features:

Frame Options - Painted steel, stainless steel, galvanized steel, aluminum, or FRP styles are available. Select the best rail material for your application. All rails are independently anchored into the surrounding concrete so that the encapsulation concrete receives the horizontal loads, not the channel walls.



Channels - Cast in place concrete formed utilizing pre-engineered EPS foam forms. Forms are removed after concrete placement.

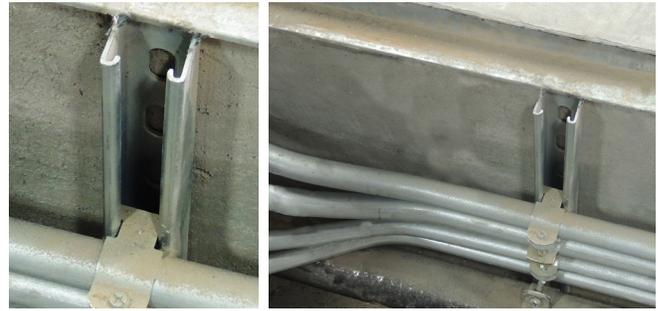
Grate Retention Systems - For applications with substantial horizontal loads, bar locks are available and recommended. Toggle locks can be used when longitudinal loads are low. No grate lock is an option where horizontal loads and grate retention are not a consideration. ABT can assist you in making a suitable selection.

Ease of Installation - The system is installed utilizing ABT's patented no-float U-leg system.

Eliminates Sub-Slab Barrier Penetration - Prevents Geo-membrane penetrations during trench drain installation and monolithic pours are eliminated using no-float legs and anchor slab.

PDX®- Surface Mount

Standard available Pipe supports can be surface mounted onto PDX® channels by anchoring through the channel into the encapsulation concrete. For those applications where any penetration of the channels is to be avoided, self-standing structures can be placed inside the channels. Standard methods can then be used to secure the pipes and/or conduits to the support members.



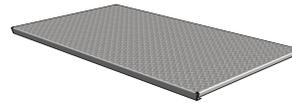
TFX®- Flush Mount

Pipe supports can be flush mounted in the TFX® formed trench by securing the support structures to the outside of the EPS forms at desired locations prior to concrete placement pour. These can be attached in a number of ways; by mechanically inserting rod through the structure into the EPS foam at desired locations; or utilizing contact cement apply to the surface of the structure at desired locations. After the EPS form is removed the support structure will be flush with the trench wall and the pipe supports can be installed. Flush mounting keeps the structure from taking up space within the trench providing a clear open area for piping. Installation time for installing support structures is reduced utilizing this method. The support can also be surfaced mounted to the trench walls after the concrete sets.



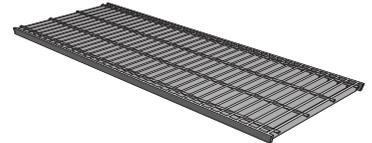
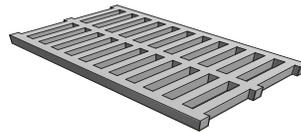
Lite Duty Covers

Heavy Duty Covers



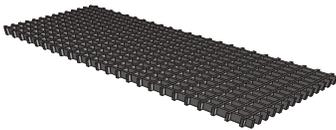
Cast Gray Iron Grating

Bar Grating



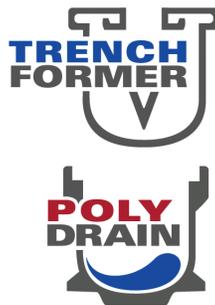
FRP Grating

Cast Ductile Iron Grating



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ABT,® Inc.

PO Box 837
 259 Murdock Road
 Troutman, NC 28166
www.abtdrains.com
 Toll-free: 800.438.6057
 Phone: 704.528.9806

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